

Scientist III Tufts University

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Posted Mar. 4, 2024, set to expire Dec. 31, 2024

Job Title	Scientist III
Department	
Institution	Tufts University Medford, Massachusetts
Date Posted	Mar. 4, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Biology - General
Job Website	https://jobs.tufts.edu/jobs/20216?lang=en-us&iis=Job+Board&iisn=AcademicKeys
Apply By Email	
Job Description	

Overview

The faculty in Molecular Biology and Microbiology (MBM) are united by a common interest in the biology of microbes (bacteria, fungi, viruses, and parasites) and the effects of microbes on human and animal hosts. The microbial pathogens program studies microorganisms that cause infectious diseases, with emphasis on rigorous analysis of these pathogens and the immune responses that restrict them. Program investigators direct detailed studies of pathogenic bacteria, viruses, fungi, and eukaryotic parasites. Research topics include structural analysis of virus entry, viral evolution, viral oncogenes, intracellular bacterial pathogens, microorganisms that cause diarrhea and pneumonia, intracellular signaling, pathogen adhesion, genetic determinants involved in susceptibility to infection, vaccine development, and identification of novel antimicrobial agents.

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What You'll Do

Working independently, but in close consultation and in cooperation with Senior Scientists, design and perform experiments in pathogenic microbiology. Develop, adapt, and implement new research techniques and protocols. Analyzes, interprets, summarizes, and compiles data. Perform routine and complex laboratory procedures. Collaborate on current/future grants through participation in grant proposals, submissions, publications, and presentations. Participate in contributing data to publications and presentations as co-author. Participate in teaching, research, and mentoring including providing research guidance to students, technicians, or postdoctoral scholars.

- Design and perform outline and complex laboratory experiments and analyses
- Develop, adapt, and implement new research techniques and protocols
- Collaborate on current/future grants through participation in grant proposals, submissions, publications, and presentations
- Participate in teaching, research, and mentoring including providing research guidance to students, technicians, or postdoctoral scholars

What We're Looking For

Basic Requirements:

- PhD is required, as is at least three years of postdoctoral training and demonstrated scholarly activity, including significant contributions to peer-reviewed literature and original research contributions to peer-reviewed journals.
- Past experience with BSL2 level pathogens, high-throughput experiments, and quantitative analysis/computational analyses would be very helpful.

Pay Range

Minimum \$63,600.00, Midpoint \$79,500.00, Maximum \$95,400.00

Salary is based on related experience, expertise, and internal equity; generally, new hires can expect pay between the minimum and midpoint of the range.

Contact Information

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Contact

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